

**WHAT IS CLAIMED IS:**

1. A multichannel-type radio frequency modulation circuit for a set-top box, comprising:

5 a switch turned on/off in response to a switching voltage for passing/blocking a radio frequency signal from a radio frequency input terminal to a radio frequency output terminal;

modulation means enabled in response to operating voltages for modulating input audio signals and video signals into

10 television signals at a plurality of channels, respectively; and

a mixer for mixing the television signals modulated by said modulation means respectively with the radio frequency signal passed by said switch and outputting the resulting signals respectively to connected televisions via said radio frequency

15 output terminal.

2. The multichannel-type radio frequency modulation circuit as set forth in Claim 1, wherein said modulation means includes a plurality of modulators, each of said modulators being enabled in  
20 response to a corresponding one of said operating voltages to modulate a corresponding one of said input audio signals and a corresponding one of said input video signals into a corresponding one of said television signals at said plurality of channels, said plurality of channels being set to be independent of one another.